



# MSDS

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## ABC Dry Chemical Fire Extinguishing Agent

### 1. IDENTIFICATION

**Manufacturer:** Flag Fire Equipment  
Hwy #2 & Patillo Road, RR#1  
Tecumseh, Ontario N8N 2L9  
**Emergency Phone: (519)727-6722**  
Technical Information: (519)727-6722

**Chemical Name:** ABC Dry Chemical (Mono-Ammonium Phosphate)  
**Chemical Family:** Mixture  
**Formula:** NH<sub>4</sub> H<sub>2</sub>P<sub>04</sub>  
**Identifier:** Fire Extinguisher ABC Multipurpose Dry chemical  
Fire Extinguisher Powder ABC Multipurpose  
**Product Use:** Used in the application of extinguishing fires.

### 2. INGREDIENTS

**Hazardous Ingredients:** 0.12%, Cas #112926-00-8, LD50: >4500 mg/kg/rat, LC50 >2  
mg/hr/rat  
**Silica Gel**  
**Other Ingredients:** Cas #  
**Mono Ammonium Phosphate** 7722-76-3  
**Tricalcium Phosphate** 12167-74-7  
**Methyl Hydrogen Polysiloxane** 63148-57-2

*Fire extinguishers contain compressed air to ensure a high velocity discharge of product. WHMIS Class A.*

### 3. PHYSICAL DATA

**Physical State:** Solid  
**Odour and Appearance:** Yellow Crystal and odourless  
**Odour Threshold (ppm):** Not Applicable  
**Vapour Pressure (mm Hg):** Not Applicable  
**Evaporation Rate:** None  
**Boiling Point:** Not Applicable  
**Freezing Point:** Not Applicable  
**pH:** 4.5 of 1% solution  
**Specific Gravity:** Not Applicable  
**Solubility in Water:** 38 grams / 100 ml H<sub>2</sub>O

### 4. FIRE & EXPLOSION HAZARD DATA

**Flash Point (°C) and Method::** Non-flammable  
**Means of Extinction:** None required

<b>Upper Flammable Point:</b>	Not applicable
<b>Lower Flammable Point:</b>	Not applicable
<b>Auto Ignition Temperature (°C)</b>	Not applicable
<b>Hazardous Combustion Products:</b>	None known
<b>Explosion Data:</b>	
<b>Sensitivity to Impact:</b>	Not applicable
<b>Sensitivity to Static Discharge:</b>	Not applicable

## **5. REACTIVITY DATA**

<b>Stability:</b>	Stable
<b>Incompatibility:</b>	Do not mix with strong alkalies
<b>Hazardous Decomposition Products:</b>	Decomposes if heated above 121°C to 135°C Ammonia, Carbon Monoxide and Oxides of Nitrogen are produced.

## **6. TOXICOLOGICAL PROPERTIES**

<b>Effects of Overexposure:</b>	At high dust concentrations, irritation of eyes, skin and mucus membranes by chemical or mechanical action may occur.
<b>Exposure Limits:</b>	Not Available
<b>Irritancy of Product:</b>	Not Available
<b>Sensitization to Product:</b>	Not Available
<b>Carcinogenicity:</b>	None. Product is considered a nuisance dust. Silica Gel is a Synthetic Amorphous Silica which is considered a nuisance dust and no medical conditions are abnormally aggravated by this product.
<b>Teratogenicity:</b>	None
<b>Reproductive Toxicity:</b>	None
<b>Mutagenicity:</b>	None
<b>Synergistic Products:</b>	Not Available

## **7. PREVENTATIVE MEASURES**

<b>Gloves:</b>	Non required.
<b>Respirator:</b>	If in high dust concentration, wear a properly fitted NIOSH-approved dust respirator.
<b>Footwear:</b>	Non required
<b>Clothing:</b>	None specified
<b>Eyewear:</b>	None required
<b>Engineering Controls:</b>	Adequate ventilation should be available to maintain dust levels below applicable standards on respirable and total nuisance dust (at recharge stations only).
<b>Leak and Spill Procedure:</b>	Ensure cleanup is performed by trained personnel only. Shovel or sweep up dry material for recycling or disposal. Flush residue with water.
<b>Waste Disposal:</b>	Review federal, provincial/state, and local government

requirements prior to disposal. Disposal by secure landfill may be acceptable.

**Handling Procedures:** Avoid container damage

**Storage Requirements:** Cool dry areas

**Special Shipping Information:** Fire Extinguisher Class 2.2 UN #1044

#### **8. FIRST AID MEASURES**

**Inhalation:** If breathing difficulty occurs because of dust inhalation, remove to fresh air.

**Ingestion:** If person is conscious, give large amounts of water.

**Eye Contact:** If eye irritation occurs, flush with copious amounts of water. Get medical attention if irritation persists.

**Skin Contact** Wash with mild soap and water.

#### **9. PREPARATION DATE OF MSDS**

Prepared by: Health and Safety

Date: September 1, 2004

"Information contained herein is provided without any warranty. Flag Fire Equipment Ltd. will not be liable for any damage which may result from the use or reliance on any information contained herein." Before any product is used, the label should be carefully read.

**MSDS Control #50190MS**